

A. Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-16 (cancelled).

17(Currently Amended). A screen printable formulation comprising metallic fillers with domain size less than [[250]] 100 nanometers and an aspect ratio greater than one.

18(Previously Presented). The screen printable formulation of claim 17 wherein the fillers are nanowhiskers.

19(Previously Presented). The screen printable formulation of claim 17 wherein the fillers are fibers.

20(Previously Presented). The screen printable formulation of claim 17 wherein the fillers are plates.

21(Previously Presented). The screen printable formulation of claim 17 wherein the screen printable formulation is an ink.

22(Previously Presented). The screen printable formulation of claim 17 wherein the screen printable formulation is a paste.

23(Previously Presented). The screen printable formulation of claim 17 wherein the fillers comprise an element selected from the group consisting of aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, potassium, praseodymium, scandium, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

24(Currently Amended). A screen printable formulation comprising ceramic nanofillers with domain size less than 100 nanometers and an aspect ratio greater than one.

25(Currently Amended). The screen printable formulation of claim 24 wherein the nanofillers fillers are nanowhiskers.

26(Currently Amended). The screen printable formulation of claim 24 wherein the nanofillers fillers are fibers.

27(Currently Amended). The screen printable formulation of claim 24 wherein the nanofillers fillers are plates.

28(Previously Presented). The screen printable formulation of claim 24 wherein the screen printable formulation is an ink.

29(Previously Presented). The screen printable formulation of claim 24 wherein the screen printable formulation is a paste.

30(Currently Amended). The screen printable formulation of claim 24 wherein the nanofillers fillers comprise an element selected from the group consisting of aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, gold, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, palladium, platinum, potassium, praseodymium, scandium, silver, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

31(Currently Amended). The screen printable formulation of claim 24 wherein the nanofillers fillers comprises at least one element from the group consisting of aluminum, antimony, boron, carbon, germanium, indium, nickel, nitrogen, oxygen, phosphorus, selenium, silicon, sulfur, or tellurium.

32(Previously Presented). A screen printable formulation comprising nanofillers with domain size less than 250 nanometers and the nanofillers comprise copper.

33(Previously Presented). A screen printable formulation comprising nanofillers with domain size less than 100 nanometers and the nanofillers comprise copper.

34(Previously Presented). A product manufactured using the screen printable formulation of claim 17.

35(Previously Presented). A print manufactured using the screen printable formulation of claim 17.

36(Previously Presented). A product manufactured using the screen printable formulation of claim 24.

37(Previously Presented). A print manufactured using the screen printable formulation of claim 24.

38(Previously Presented). A product manufactured using the screen printable formulation of claim 32.

39(Previously Presented). A print manufactured using the screen printable formulation of claim 32.

40(Previously Presented). A product manufactured using the screen printable formulation of claim 33.

41(Previously Presented). A print manufactured using the screen printable formulation of claim 33.